

CEAR OF CIVILIZATION.

What King Paper Promises to Be in the Course of Human Events.

When we look back to the past it is marvelous to recall the rapid growth of paper as a substance of practical use in the arts and manufactures of the world. But the limit of the uses to which paper may be put is undefinable. Twenty-five years ago paper was almost unknown as a factor of manufacture. Today it is used for the composition of car wheels, pails, boats, domes, coffins and a thousand and one different articles.

The advantages of paper over iron, wood and other substances are many. The greatest point in its favor, perhaps, is its durability. The famous mummies in the British museum are wrapped in papyrus, which is nothing more than paper made by the Egyptians 3,000 years ago. Paper may be exposed to the weather without the possibility of its cracking or splitting, as, unlike wood and iron, it has no grain or flaws. Furthermore, it is one of the greatest non-conductors of heat and cold known, and the constant changes of temperature peculiar to our latitudes have but little effect on it.

The Proudfit observatory of the Rensselaer Polytechnic institute is crowned with a paper dome, which has withstood the torrid heat of summer and the frosts and snows of winter for a decade, and is as strong and perfect today as when it was first taken from the molds. This property of withstanding the inclement weather is one of the principal reasons for the rapid introduction of paper car wheels. Many terrible accidents have been caused by the breaking of an iron wheel on account of frost. By the introduction of paper wheels the chances of casualties on the rails are greatly lessened. Moreover, recent experiments in Germany have produced a successful paper rail, and it seems only a question of a few years before the great railroad systems of the country will be equipped with paper rails, paper wheels, and even paper cars.

There is no denying the fact that paper is much stronger and more resisting than wood. Experiments have shown that a bullet from a revolver at close range failed to penetrate a paper target three inches of an inch in thickness, while the same bullet passed entirely through a two inch plank under the same conditions. Some years ago, at a banquet in New York, Admiral Farragut predicted that the time would come when ships of war would be sheathed with paper in place of steel and iron. The great advantage of such an armor would be its elasticity. The manufacture of paper boats is now confined to the construction of pleasure and racing craft, but a movement is on foot toward the building of life and ships' boats.

It needs but a cursory glance at the existing so called lifeboats to show that they are merely such in name, and the majority of them are unfit for service. The handsome lifeboat hanging from its davits, in conformity to the laws, is apparently a model of strength and durability, but in reality it is a perfect death trap. The bright paint and gilded stripe often hide the rotten hull with its putrid seams. We often read accounts of disasters at sea, when it is reported that the boats were swamped soon after leaving the vessel. If the truth were told it would be shown that in many cases the swamping was caused by the opening of these seams and not from the high seas, as is generally supposed. In the paper lifeboat there would be no seams to open.

Not the least important of the uses to which paper can be put is that of ornamentation. The apparently handsome bronze figures and bas reliefs are often merely embossed paper mache, and so fail to give forth the metallic ring one would expect. Some kinds of paper are now made as soft and pliable as leather, and are used as such. Paper timber is made, which possesses many more advantages than wood and yet is inexpensive, and thus the old idea of living in paper houses bids fair to become something more than idle talk; not only shall we live in paper houses, with paper furniture and utensils, but our gas, water and sewerage will be conducted through paper pipes.

The paper burial caskets now quite extensively manufactured are possessed of some peculiar advantages; they can be made absolutely vermin proof. They can also be made for very little money, and in view of the crusade against extravagant funerals recently inaugurated by some of the clergy, this will be an important consideration. Paper can be made fireproof, and the government has successfully experimented with paper powder barrels. Paper cartridge shells are now used almost exclusively not only on account of their being inexpensive, but because of their not becoming heated when fired, like brass shells.

In the manufacture of various articles from paper it may be said that there are three main processes. The first and oldest is the pressing of papier mache by means of molds. Ornamental interior work is made in this manner. The second method is that of placing layers of paper one upon the other until the required thickness is obtained. Car wheels, pulleys and boats are made thus. The third and last way is the shrinking of pulp paper, wet from the machine, into the required shape. Examples of this process are the heavier grades of boats, domes, caskets, etc.

It is a fact that nearly all articles now manufactured of wood can be made to better advantage of paper, and it is also becoming an extensive substitute for iron. Even gold has been forced to succumb to paper money as a convenient method of exchange. There is no necessity of waiting for future developments. Paper is already king.—Paper Mill.

Froud of Muddy Trousers.

A citizen stood at the corner of Fifth and Main streets yesterday afternoon, and his trousers were spattered with mud. He looked down at them lovingly and his face beamed with joy. His smile was so broad it was almost audible, and many passers by stopped to remark on the blundered idiot who enjoyed getting his trousers covered with mud. But the smile never left the citizen's face.

"Why don't you get a broom back to clean them?" the Gossiper asked. "Clean them? Not for the world. I shall always keep these trousers just as they are. I shall cherish them as a precious relic to be shown to my children and grandchildren. That mud, see, was splashed on my trousers by a messenger boy who dashed by me on a run."—Kansas City Times.

The Senate's Gavel.

The gavel used by the presiding officers of the United States senate has been in use over fifty-six years. It is made out of an elephant's tooth and has no handle, nor did it ever have one.—Chicago Herald.

Advertisements.

FILTER PRESSES.

PACIFIC PLANTATION, Hawaii, March 9, 1889.

Hudson Iron and Locomotive Works, San Francisco. Gentlemen—We have used two of your 30-chambered Filter Presses this season. They are convenient, easily handled and are working entirely to our satisfaction. I can recommend no improvement on them.

Very respectfully yours,

(signed) A. Moore,

Manager Pashan Plantation.

These Presses are being carried in stock in Honolulu and are sold at the very low price of \$450.00 in Honolulu—to meet the demand. A consignment is now on the way.

Hudson Iron & Loco. Works, 82 12th St. San Francisco

To Arrive!

Rock Salt for Cattle.

23 A few tons still undisposed of.

APPLY EARLY.

THEO. H. DAVIES & CO.

146-1m

LEWIS & CO.,

FORT STREET,

Importers, Wholesale and Retail Dealers in

Groceries and Provisions.

23 Ice House Goods a Specialty 23

181-1f

JOS. TINKER,

Family & Shipping Butcher



City Market, Nuuanu St.

Prime Beef, Mutton, Veal, Lamb,

Dairy-fed Pork and Cambridge Sausage, fresh every day.

Corned Beef and Pickled Tongue always on hand and put up in quantities to suit.

BOLOGNA SAUSAGE A SPECIALTY.

N. B.—All meats delivered every morning within a radius of three miles of the city.

My prices are as reasonable as anywhere, and all orders attended to with promptness and dispatch. 114-1m

114-1m

C. BREWER & COMPANY,

(Limited).

GENERAL MERCANTILE

—AND—

COMMISSION AGENTS.

LIST OF OFFICERS:

P. C. Jones, Jr., President and Manager
J. O. Carter, Treasurer and Secretary
Hon. W. F. Allen, Auditor

DIRECTORS:

Hon. C. B. Bishop, Hon. H. Waterhouse

Wing Wo Chan & Co.,

NUUANU STREET,

Have Just Received New Goods,

Suitable for Christmas and New Year's Presents.

EX BARK VELOCITY, FROM CHINA,

Reed Chairs and Rockers,

Something new in Honolulu;

Extension Veranda Chairs,

Ebony and Marble Diningroom Sets,

Matting in all variety and colors,

Silks and Satins,

Silk Crepe, in all shades; Pongee,

Mantel and Hearth Vases,

—ALSO, TO ARRIVE—

Granite Stone

Octagon shape.

Best Oolong Tea,

Choice Manila Cigars.

155-1f

LOVE'S BAKERY.

20. 73 Nuuanu Street.

MRS. ROBT. LOVE, Proprietress.

(Every Description of Plain and Fancy

Bread and Crackers,

—FRESH—

Soda Crackers

—AND—

Saloon Bread

Always on Hand.

MILK BREAD

—A SPECIALTY—

Island Orders Promptly Attended to,

172-2m

General Advertisements.

The Equitable Life Assurance Society OF THE UNITED STATES.

Stands First Among the Leading Life Assurance Companies of the World

In Outstanding Assurance, in New Business, in Surplus, in Total Income, in Premium Income, in the annual Increase in Surplus and Assets, in the Percentage of Assets to Liabilities, and in all other Important Respects.

Assets, Dec. 31, 1887, : : : \$84,478,904 85.

Outstanding Assurance, \$483,039,563
New Business of 1887, 138,025,105
Surplus (4 per cent. Standard), 18,104,255
Increase in Surplus during the Year, 1,748,379
Increase in Assets during the Year, 8,868,432
Total Income, 23,240,849
Premium Income, 19,415,775
Percentage of Assets to Liabilities, 127 1-2

A Careful Study of the above Proves Conclusively that the Equitable Society is the most Profitable and Secure Life Assurance Company for intending Assurers.

ALEX. J. CARTWRIGHT,

90-1f

GENERAL AGENT HAWAIIAN ISLANDS.

A Good Chance to go into Business!

ON ACCOUNT OF FAILING HEALTH MR. G. WEST WILL DISPOSE

of his entire interest in the business known as G. WEST & CO., 105 Fort

Street, Honolulu. Liberal Terms will be given to a responsible party. The

firm has been doing a good paying business during the last six months, not-

withstanding the dull times. For the next Sixty Days we will sell Goods at

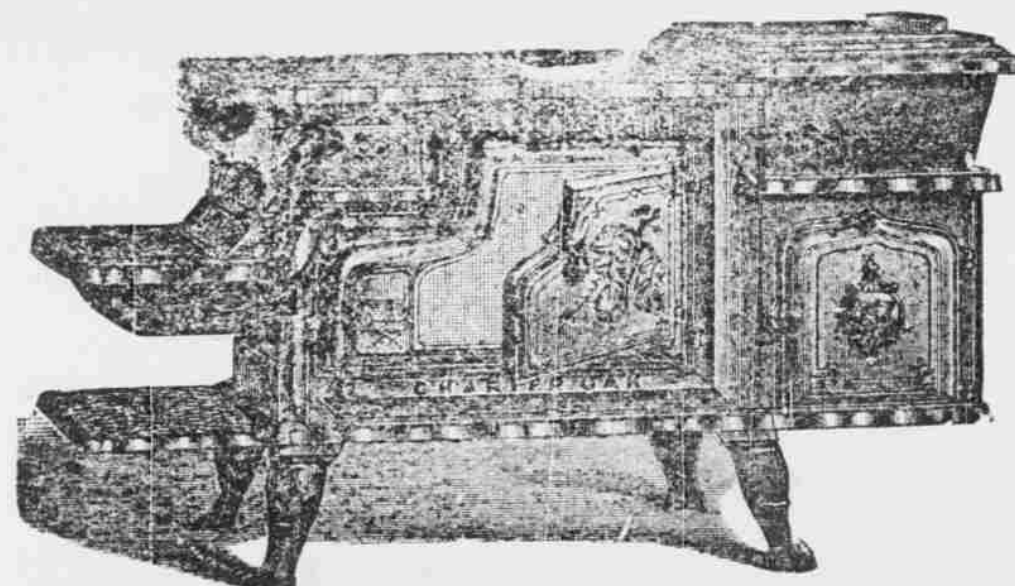
just enough to cover cost. For Bargains in FURNITURE, TOYS,

FANCY GOODS, Etc., Etc., see us before purchasing.

G. WEST & CO.

138

JOHN NOTT,



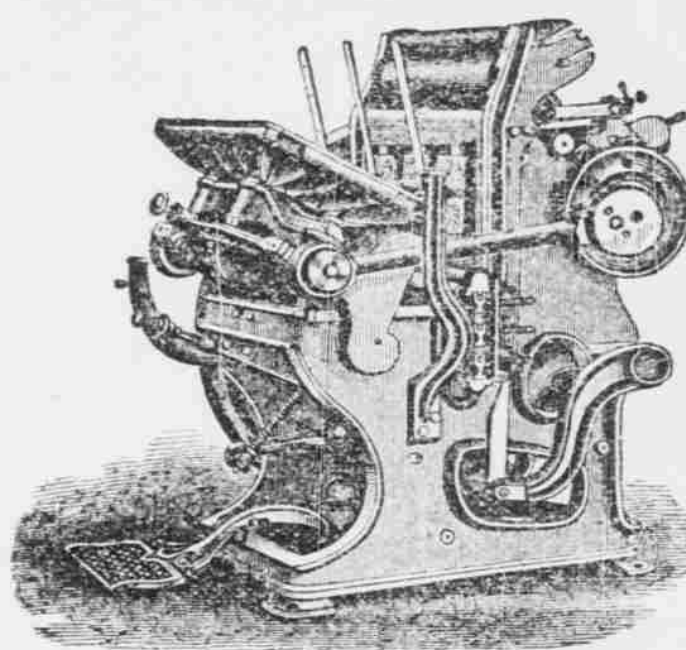
Stoves, Ranges and Housekeeping Goods.

Plumbing, Tin, Copper and Sheet Iron Work

HAWAIIAN GAZETTE

Printing Establishment

Merchant St., : : Honolulu.



Plain and Fancy Printing

—INCLUDING—

Law Books and Blanks, Pamphlets of any kind,

Lawyers' Briefs, Freight and Plantation Books,

Statistical Work, Colored Poster Work,

Lithograph Colored Cards, Business and Visiting Cards,

Ball and Wedding Cards, Programmes, Billheads,

Letterheads printed in Copying Ink, Etc., Etc., Etc.,

PROMPTLY AND NEATLY EXECUTED.

H. M. WHITNEY, Business Manager.

NEW ADVERTISEMENTS.

THE HOLIDAY SEASON, 1888-9.

PACIFIC HARDWARE COMPANY, L'D

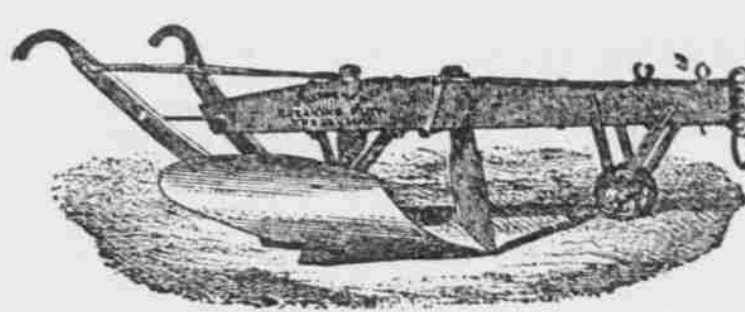
FORT STREET, HONOLULU.

WE HAVE RECENTLY RECEIVED LARGE ADDITIONS TO OUR

STOCK of MERCHANDISE!

— CONSISTING OF —

PLOWS,
Harrows, Cultivators,
Horse-Hoes,
Planters' Hoes,
Garden Hoes,
Cane Knives, Spades,



SHOVELS,
Pick Axes, Mattocks,
Steel Crowbars,
Canal Barrows,
Garden Barrows,
Ox Trace Chains,

Hoe, Axe,
Cut Nails,
Sheet Lead,

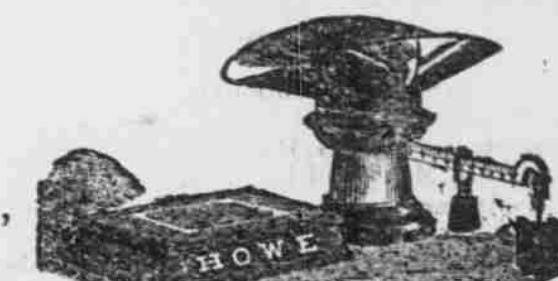
Pick and Sledge Handles,
Refrigerators,
Carpenters' Tools,

Galv. Nails and Spikes,
Sheet Zinc,
Builders Hardware,

STEEL FENCE WIRE AND STAPLES!

GALV. FENCE WIRE AND STAPLES,

Galv. 4 Barbed Fence Wire, Tea Kettles, Sauce Pans,
Hubbuck's Boiled and Raw Paint Oil,
Hubbuck's White Lead and Zinc,
Hubbuck's Red Lead, Pioneer White Lead,



CASTOR OIL for Lubricating, Cylinder Oil,
Carbox Oil, Sperm Oil, Lard Oil,



Lamps & Chandeliers, In Great Variety, Crockery, Glassware, Silver Plated Ware, Etc.

We have fitted up a Department on the second floor, (a room 50x60 feet) exclusively for ART GOODS, of which we have at present a very Choice Stock, and more to be opened in a few days. We know we are safe in saying that BETTER GOODS in these Lines have never been offered for sale in this Market.

Our Prices are Moderate!

We respectfully solicit a personal inspection of our Entire Stock, and especially our

ART DEPARTMENT

Where Ladies and Gentlemen will find a tempting display of beautiful Articles in Great Variety, suitable for

XMAS. AND NEW YEAR'S GIFTS.

PACIFIC HARDWARE COMPANY, L'D.

1247-1m d-1m

Christmas Goods

Toys, Dolls!

Bonbons!

Fancy Vases Glassware

RUGS!

Christmas and New Year's Cards,

—FOR SALE BY—

THEO. H. DAVIES & CO.

146-1m

Ex Bark H. Hackfeld

FROM LIVERPOOL,

IRON FILTERPRESSES!

Selwig & Lange's Patent

18 to 30 Chambers,

Which have proved a great success at Lihue,

Hanalei, Kekaha, Waimea, Koloa, Lihua,

Lanipahoehoe, etc., and which are provided

with the latest improvements, also,

SPARE PARTS OF ABOVE PRESSES

and

FILTER CLOTH FOR THE SAME;

Sugar Coolers,

(round corners)

Iron Tanks, 3 sizes;

Baxter Engines,

Deane's Steam Pumps,

Steel Rails & Fixtures

Portable Track, Sleepers & Switches,

Corrugated Iron, all lengths;

Fire Bricks, Slates,

Fire Clay, Asbestos,

White Bros Portland Cement

Germania P. Cement,

Keg Shocks, Rivets,

Sugar and Coal Bags,

Coal Baskets, Twine,

Stockholm and Coal Tar, Etc.

For Sale at Lowest Rates by

H. HACKFELD & CO.

136-1m

THE SPRINGFIELD ROADSTER BICYCLE!

WE STILL HOLD OUR OWN.

Moderate Prices, Good Quality, Hill Climbing, Safety, Speed are features of merit which are sure to lead.

RECORDS FOR 1888.

L. A. W. meet at Baltimore, Md., three victories. Woodstock, Canada, professional track record, May 24. Binghamton, N. Y., one mile safety, and one mile team race. Toronto, Canada, three mile road wheel, and one mile safety race. Rochester, N. Y., one mile, open to all, track record, 2.44; three mile handicap; five mile, open to all, last quarter in 30 seconds—best on record; half mile dash, open to all, 1.15—best competition half mile on record; also, two mile, 6.45 class.

J. R. WELD, of Medina, writes: "In a club of twenty 18 ride Springfield Roadsters, and still we want more."

REMEMBER OUR HILL CLIMBING RECORDS.

Eagle Rock, New Jersey, 12 times without a dismount. Corey Hill, Boston, 10 times without a dismount. Stickney Hill, Lynn, Mass., one time and return.

SHURMAN AT IT AGAIN.

The members of the Lynn Cycle Club took a trip down to Portland. The party comprised J. H. Young, J. H. Shurman, A. H. Carsey, E. G. Borgholts, J. F. Allen, J. F. Dow, J. H. Littlefield, A. W. Lewis and A. Wiswell. On their arrival in Portland, and after a good breakfast at the Preble House, the Portland Wheel Club took the visitors in hand for a run to Front Street, a distance of some fourteen miles. On the way out the party passed a Spurwick Hill, an eminence that has never been climbed by a cyclist. To the surprise of the Down Easters, Shurman announced that he would ride up the hill if any one of the Portland men would ride down. This was very promptly agreed to, as the local men thought the hill unrideable. Some of the men rode down the hill, as also did Shurman, and then on arriving at the bottom Shurman turned round and rode to the top, and the achievement of the Lynn man made the locals anxious to see what the visitor could do with the Park Street Hill, a terror to Portland wheelmen, and one that has never been climbed more than twice in succession. So on Monday the party repaired to the hill, and after Carsey, Allen and Littlefield had climbed it once and cried enough, Shurman went at it and went up and down six times without a dismount. To say that the Portland men were dumfounded is putting it mildly. Shurman rode his Springfield Roadster Hills, and oblige? Ed. BICYCLE WORLD.

We give you the facts. Draw your own inference. But remember our prices are moderate, our goods warranted against defective material and workmanship for one year; absolutely safe against headers, speedy and a good all around road wheel. CATALOGUE FREE.

SPRINGFIELD BICYCLE MANUFACTURING CO. 9 Cornhill, Boston, Mass.

— FOR SALE BY —

PACIFIC HARDWARE CO., L'D.

SOLE AGENTS FOR HAWAIIAN ISLANDS 1247-1m d-1m

The Weekly Gazette and Daily P. C. Advertiser

Are the Best Advertising Mediums in the Kingdom.